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| **Theoretical Probability with Spinners** |
| The fair five-sided spinner shown is spun once. | **(a)** | **(b)** | **(c)** | **(d)** |
| What is the probability of the spinner landing on green? | What is the probability of the spinner landing on purple or white? | What is the probability of the spinner landing on black? | Sania spins the spinner $50$ times. How many times would she expect it to land on orange? |
| The fair six-sided spinner shown is spun once.  | **(e)** | **(f)** | **(g)** | **(h)** |
| What is the probability of the spinner landing on white? | What is the probability that the spinner does not land on orange? | Which is more likely – the spinner landing on white or the spinner landing on green? | Lola spins the spinner $120$ times. How many times would she expect it to land on white? |
| The fair eight-sided spinner shown is spun once. | **(i)** | **(j)** | **(k)** | **(l)** |
| What is the probability of the spinner landing on a number less than $10$? | What is the probability of the spinner landing on an odd number? | What is the probability of the spinner not landing on a prime number? | Aidan spins the spinner $80$ times. How many times would he expect it to land on a $2$ or $3$? |
| **(m)** | **(n)** |
|  | Here is a fair eight-sided spinner. Complete the spinner so that:* The probability of landing on a $1$ is the same as the probability of landing on a $2$
* The probability of landing on a $4$ is $\frac{1}{8}$
* The total of all the numbers on the spinner is $16$.
 |  | Here is a fair eight-sided spinner. Complete the spinner so that:* The probability of landing on an odd number is $0.5$
* The probability of spinning a $3$ is the same as the probability of spinning a $4$
* All the numbers on the spinner are less than $8$
* The total of all the numbers is $24$.
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